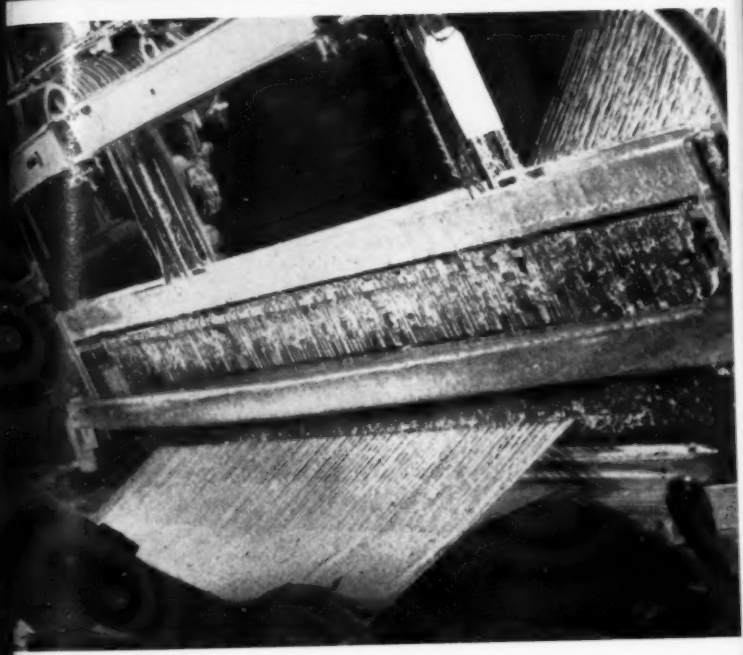
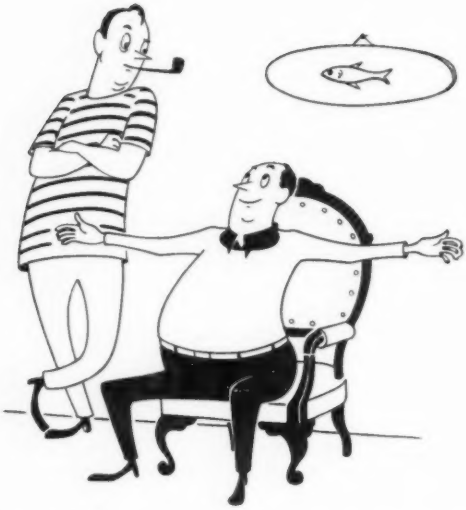
# ASBESTOS



MARCH - 1948



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FOUNDED IN JULY 1919 AND PUBLISHED
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17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*
E. E. COX, *Circulation Manager*

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## THE UNIMPORTANT ERROR

Not long ago in checking over some milk plant refrigerating equipment designs, an engineer found a misspelled word. The designs had been expertly drawn, were beautifully neat, carefully exact, but the word "refrigerator" had in every instance been spelled "refriguater".

Another story—while conversing with the chief engineer of a prominent concern, a man drove by the plant, parking at a larger plant across the street. The chief engineer remarked "There goes Mr. Blank; he owns the plant across the street, but at one time he was one of our draftsman, and not a very good one." As a matter of fact Mr. Blank's right name is known to practically everyone who reads this—he is a big manufacturer, one of the largest in the United States, but he "wasn't a very good draftsman".

Whistler, the celebrated artist, was once a map draftsman, and was discharged because he insisted on drawing birds flying over parts of the drawing.

We could perhaps find innumerable instances of this kind. A man who may not succeed in one line becomes an outstanding success in some other.

After all it's the end results that count—the design of the refrigerating equipment was good and the misspelling of the one word made no difference in the final result. Sometimes we are inclined to devote too much attention to details, leaving no room for the larger work; we do not recognize merit because our attention is distracted by an unimportant error in detail.

. . . —

A. S. H. V. E. has undertaken a study of panel heating and cooling. Four committees will study four specific phases of the research program. Further information can be obtained from the A. S. H. V. E. at 51 Madison Ave., New York City.

. . . —

*An idea is something that won't work unless you do.*
*—Thomas A. Edison.*

## THE MARVEL OF CO-ORDINATION

Near our offices here in the Inquirer Building, several large buildings are being constructed. Since we are on the 17th floor we can watch their erection day by day, and the work has been going on for over a year.

It is a constant marvel how a "jumble" of stone, concrete, steel, lumber and innumerable other materials, can be put together and end in a beautifully constructed building complete to the last detail.

Of course the answer is undoubtedly, the engineer in charge, and the one who planned on paper every detail of the building before construction was begun.

While watching the erection of these buildings, our respect for construction engineers has greatly increased.

• • • —

Business firms and individuals in the Washington, D. C., area and firms maintaining representatives in Washington can now obtain immediate service on their requests for a majority of American and foreign technological reports distributed by the Office of Technical Services. Mimeographed and printed OTS reports can be obtained over-the-counter at the special business service sales counter maintained for the convenience of local businessmen and Washington visitors by the Government Printing Office in the lobby of the Commerce Department Building on 14th Street, Northwest.

• • • —

Nordberg Manufacturing Company announces publication of Bulletin 151 on Symons Intermediate Cone Crushers for rock, gravel and ore reduction. This pamphlet is illustrated and gives specification data and operating information. Copies may be obtained free on request to the Crusher Division, Nordberg Mfg. Co., Milwaukee 7, Wisconsin.

• • • —

*It is impossible to enjoy idleness thoroly unless one has plenty of work to do.—Jerome K. Jerome*

# THE GEOLOGY OF ASBESTOS DEPOSITS

## I. Vermont

*By Kay Badollet*

**Note: The author extends thanks to M. S. Badollet, in charge of asbestos fibre research, Johns-Manville Corporation, from whom much data used in this article was received. Credit is also given to the reference works listed at the end of the article.**

The asbestos deposits of Vermont occur in a serpentine belt that is a continuation of the serpentine area extending thru the southeastern part of Quebec Province, Canada, towards the Gaspe Peninsula. These deposits contain chrysotile fibre which is the most important commercial variety of asbestos produced in the state.

The original rocks, pyroxenite and peridotite, existed as a belt which traversed the state of Vermont in a north and south direction. These pyroxenites have been altered mostly to talc and steatite and the peridotites have altered to serpentine. The age of the pyroxenites and the peridotites in Vermont has been estimated as Pre-Cambrian and Cambrian and apparently there is no evidence that these rocks cut the Ordovician formation.

The peridotites are not widely spread thru the state of Vermont, but they do occur in the localities of Eden and Lowell where minerals such as asbestos, chromite, magnetite and marble appear. The serpentine rocks in this area are in contact with gneiss or banded granite rocks which are found in the Green Mountains. There is also evidence of black graphitic gneiss, chlorite schists, and amphibolite which are intruded by serpentine and dunite containing asbestos.

Most of the asbestos deposits of this state occur in partially serpentinized peridotite, dunite or pyroxenite similar to the deposits of Thetford, Quebec. However, it is evident that the serpentines in Vermont have been subjected to considerable shear and fracture.

The amphibolite is found in exposure extending from the top of Belvidere Mountain, one thousand feet down the slope, while the peridotite and serpentine appear east and west of the amphibolite exposures and also along either

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*In Canada:* **The Philip Carey Co., Ltd., 1557 MacKay Street, Montreal 1, P. Q.**

side of the Missisquoi Valley. The asbestos bearing serpentine also lies beneath a capping of this amphibolite and the relationship of this rock to serpentine in this locality is not accurately known, but it is regarded by some authorities as a fault contact.

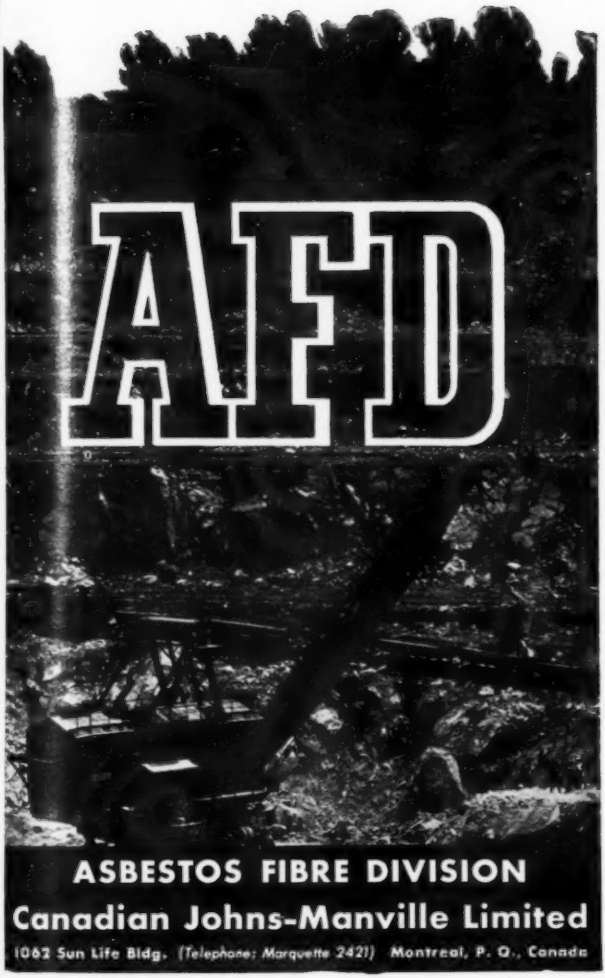
The Vermont asbestos fibre is generally similar in character to that found at Thetford and Danville in the Eastern Townships of Quebec. However, the cross fibre veins pass irregularly thru the serpentine rock and the slip fibre variety lies parallel to slickensided surfaces. The formation of the fissures containing chrysotile fibre indicates that a complex movement thru the rock mass existed and that crushing took place after the development of fracture cleavages. This explanation may be regarded as responsible for the existence of irregular fissures containing chrysotile asbestos. Examinations of specimens show that the opposite walls of fissures in the rock match quite frequently, giving further evidence that the rocks underwent fracture.

In the Lowell asbestos deposit there is little evidence of a hydrothermal alteration along the veins, while in the Gallagher mine this type of alteration is evident.

Asbestos bearing rocks containing chrysotile occur in four general localities. First, approximately two miles northeast of Lowell is a deposit containing cross fibre veins and slip fibre in serpentine rock. Second, in the vicinity of Westfield, which is northwest of Lowell, is another belt containing slip and cross fibres. Third, near Mt. Belvidere, southwest of Lowell, the slip fibre predominates. Fourth, in a serpentine area occupying a bluff on the shoulder of Mt. Belvidere, there are deposits which contain both cross and slip fibre veins.

Besides chrysotile asbestos, which is a hydrous magnesium silicate, fibrous forms of amphibole, chiefly known as anthophyllite, actinolite, and tremolite, are found. None of these minerals are used in quantities in commerce, but they form a part of the geology of Vermont.

Actinolite, which is a complex calcium magnesium iron silicate, is a common Vermont mineral. It is found crystallized in long, slender, green prisms and associated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Canadian Johns-Manville Limited
1062 Sun Life Bldg. (Telephone: Marquette 2421) Montreal, P. Q., Canada

with talc and other minerals in many localities including Cavendish, Bethel, Roxbury and Windham. As a silicate it is hard and appears abundantly in metamorphic rocks. The actinolite when found in a massive form resembles jade and is known in commerce as jadeite. Green veins of actinolite are numerous in some varieties of Vermont marble.

Anthophyllite is a magnesium iron silicate, another variety of asbestos closely associated with the Vermont deposits. It is not as common as actinolite. Anthophyllite is found in Plymouth, Grafton and several other communities. This form of amphibole may occur in fibrous or plate forms or sometimes in slender crystals.

Tremolite is a calcium magnesium silicate of the amphibole group and differs from actinolite by the absence of iron in the molecule. Tremolite is usually associated with actinolite. This fibre is not considered of economic value in Vermont because it is not available in quantity.

Talc is one of the alteration products of the serpentine rock and is usually found in and around asbestos deposits. As a magnesium silicate, it is important commercially and is mined in large quantities near the towns of Moretown, Johnson, East Granville, Rochester and Chester.

Hornblende, a variety of amphibole of no economic value, is found in some granites and other igneous rocks, in metamorphic rocks, in gneiss and in schist. It is very common in the Green Mountain district.

Altho amphibole fibre was found in Vermont in 1824, chrysotile asbestos was discovered there about 1892 and by 1912 Vermont held the distinction of being the only state[1] in the Union producing chrysotile. Since that time, the industry has grown until today Vermont is an important producer of asbestos fibre.

The most productive mine of chrysotile asbestos in Vermont is located at Eden, and is owned by The Ruberoid Co. of Bound Brook, N. J. The asbestos properties controlled by this company are located on the southern and eastern sides of Mt. Belvidere and include a large acreage of mineralized land.

[1]Altho chrysotile asbestos was discovered in Arizona as early as 1903, it was not actually produced and sold until 1914.

K&M Century APAC

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During the war, an ore body was developed in this section containing long fibred chrysotile, but most of the fibre from Vermont is short, ranging from Group 4 to Group 7 as classified by the Quebec Screen test.

References: Perkins, G. H., Report of Vermont State Geologist 1929-1930, p. 236.

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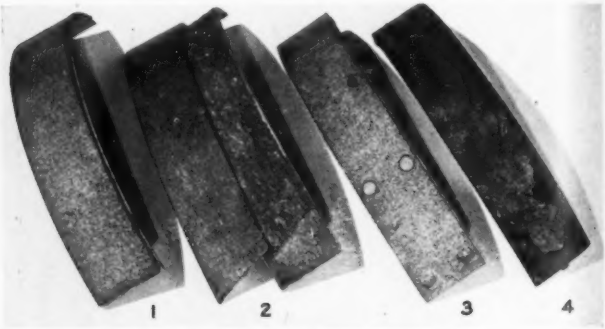
***"A name to remember"***

# ADHESIVE REPLACES RIVETS IN ATTACHING BRAKE LINING

One of the most recent developments in the brake lining field is "Cemented-on-Lining". An article will be published in "ASBESTOS" within the next month or so on this very interesting subject, but at this time we want to tell our readers about one form of adhesive for use in attaching or "bonding" brake lining to the brake shoe.

The adhesive we have in mind goes under the trade name of *Plastilock* and was developed by B. F. Goodrich Company of Akron, Ohio. There are two types—one in tape form, #601" and the other in liquid form, #602. Plastilock #601 is a calendered tape gauging from .012 to 015". Both forms were developed in close cooperation with




1. *Lining bonded to shoe with Plastilock #601.*
2. *Lining sheared from shoe by load of approximately 15,000 pounds.*
   *Note that failure is in lining material—not in adhesive*
3. *Conventional riveted lining on shoe.*
4. *Plastilock bonded lining, run on dynamometer at 600° F. for one hour; 400 brake stops made. Lining altho charred to point of disintegration, was held by adhesive.*

one of the leading automotive manufacturers, expressly for bonding brake lining to the shoe instead of using the previous riveting method. The material is entirely synthe-

S MITH & KANZLER CORPORATION

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tic but the formula and even the basic ingredient are still secret.

The tape form is preferable to the liquid form because it eliminates the fire hazard resulting from solvent cement, and the thickness of the bonding medium and subsequent overall thickness of the assembly are easier to control.

The advantages claimed for the adhesive form of bonding over the riveting method are that the brake lining can be worn "right down to the shoe" before need of replacing, instead of only about half way, and that there is no possibility of rivet heads cutting ridges in the brake drum.

Tests show that rivets start to shear at 3,500 pounds and fail at 5,000 while lining attached by the new adhesive held fast until 13,000 to 16,000 pounds of shearing pull were applied.

Altho Plastilock #601 was developed specifically for brake lining use, it is really part of a whole new family of adhesives that will have thousands of applications, so say the manufacturers.

## NEW DEVELOPMENT IN MOLDED BRAKE LINING

Warping and curling, the chronic ailment of most wire molded brake lining since its inception, has been eliminated by Tfie Raybestos Division of Raybestos-Manhattan, Inc., by the announcement of a new wire molded brake material. The product is the result of a special and undisclosed method of molding and curing, plus compensating the tension of the wire backing, it is said.

It is claimed that this gives a uniformly flat surface, with greater, even wear resistance, greater flexibility and stability of friction. This makes for less fade, less running drag, fewer adjustments and longer-lived quicker installations.

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## COMBINED HEATING AND AIR CONDITIONING UNIT USES ASBESTOS

The six-story block square concrete and steel building which is being erected in Portland, Ore., by "The Oregonian," outstanding newspaper of the Pacific Northwest, is using in its new type heating and air-conditioning unit about 6000 lineal feet of 85% Magnesia Pipe Covering and 1000 square feet of 85% Magnesia Blocks. E. J. Bartells Company is doing the installation work and Johns-Manville material is being used.

The covering is used on steam and condensate return piping ranging in size from ½ in. to 8 in., and the blocks on the hot water storage tank, wash water heaters, condensate coolers and condensers.

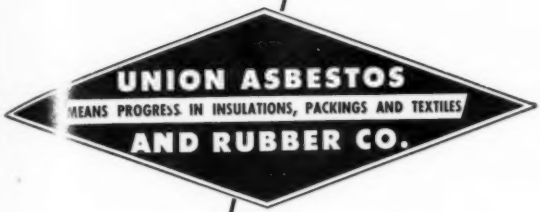
The combined unit is something new in the field of air-conditioning, altho the theory was advanced by Lord Kelvin as long ago as 1852. Water is provided from wells drilled under the building for what experts term the "heat pump, or reverse cycle refrigeration, method of heating and air-conditioning." In other words, one piece of equipment does the work of both heating and cooling.

An entire city in Switzerland is being heated and air-conditioned by the process. At least two American concerns are reported to be making the double-purpose equipment, while others are contemplating entering the field.

The equipment is being installed in the new home of "The Oregonian" under the direction of J. Donald **Kroeker,** Portland heating and ventilating engineer, who is also supervising installation of the same type heating-cooling unit in the 12-story Equitable Building being built in downtown Portland.

**WANTED**

Mining Engineer with Asbestos Mining and Milling experience. Must speak besides English other language, at least French, and willing to work in Europe. Single or married man. Good working and living conditions. Addresss Box 2MH-N, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

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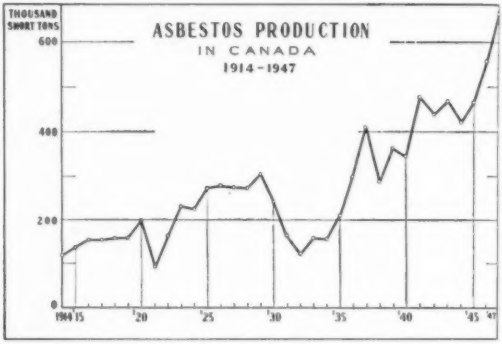
## CANADIAN PRODUCTION - In Graph Form

The Dominion Bureau of Statistics, Ottawa, Ont., has recently issued its Preliminary Report on Mineral Production. of Canada 1947, and the page or two of this report devoted to asbestos gives a graph which is reproduced below:




A tabulation as to production and exports accompanies the graph and is as follows:

| Year | Production | | Exports | | |
|---|---|---|---|---|---|
| | | | Crude | Milled Fibres | Waste, Refuse or Shorts |
| | Tons | $ | Tons | Tons | Tons |
| 1940 ..... | 346,805 | 15,619,865 | 2,082 | 179,564 | 154,929 |
| 1941 ..... | 477,846 | 21,468,840 | 2,757 | 217,498 | 233,654 |
| 1942 ..... | 439,459 | 22,663,283 | 2,796 | 198,452 | 226,209 |
| 1943 ..... | 476,196 | 23,169,505 | 1,990 | 210,837 | 230,172 |
| 1944 ..... | 419,265 | 20,619,516 | 1,541 | 181,668 | 212,728 |
| 1945 ..... | 466,897 | 22,805,157 | 863 | 209,765 | 229,929 |
| 1946 ..... | 558,181 | 25,240,562 | 639 | 215,233 | 304,312 |
| 1947 ..... | 662,533 | 31,847,135 | 818[1] | 185,575[1] | 334,752[1] |

[1]10 months only.

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## Ric-wiL FOILCLAD UNITS

A new type of pipe unit has been developed by Ric-wiL Company of Cleveland, Ohio, designed especially for overhead distribution of oil, viscous fluid, process liquids and steam.

An exclusive feature of these units lies in the fact that the pipe is insulated at the Ric-wiL factory to meet individual project specifications; they are shipped in 21 foot sections completely prefabricated and ready for installation, with only one handling required at the job site.

In the prefabrication of these units at the factory, as-

*Ric-wiL's New Overhead Unit*

bestos, cork or other insulation, as specified, is machine coated with high temperature asphalt and tension wrapped with asphalt-saturated asbestos felt. A second coating of asphalt is followed by a tension wrapping of aluminum or copper foil which forms a perfect bond with the asphalt. The result is claimed to be a highly efficient, durable unit completely waterproof and weather protected.

A variant of the basic type of Foilclad Unit employs a pipe supported within a pipe, with insulation around the outer pipe. In this way any desired temperature can be maintained within the pipes. Either pipe can carry the process fluid while the other carries the heating or cooling medium.

Detailed information on Foilclad as well as other Ric-wiL Units may be obtained by writing Dept. 5582B, The Ric-wiL Co. Cleveland, Ohio.

. . . —

*Every failure teaches a man something if he will learn.—Dickens*

. . . —

*The real cost of anything is the amount of work required to earn the money with which to purchase it.*

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## BRIEFS

¶ Johns-Manville recently applied 85 miles of "Lope Putty" at the laps of asbestos-cement corrugated sheets on a job for Industrial Electrica de Mexico, S. A.

¶ Asbestos Mats are being decorated and used as pictures in kitchens and breakfast rooms.

¶ Marshall Field & Co., of Chicago, which was the first store to sell Asbestos Ironing Board Covers, was recently presented with the two-millionth cover of this type by Textile Mills Co. of Chicago, which manufactures the covers from *Asbeston* Cloth made by the United States Rubber Company.

¶ *Alum-Shield* is the trade name of a roof coating for composition and sheet metal roofs, made by The Paraffine Companies Inc., of San Francisco.

¶ The February number of Armstrong's Insulator describes the insulating of *dual purpose* lines by the use of cork lagging over 85% Magnesia Covering. The pipe temperatures range from plus 200° F. to 75° below zero.

¶ A recently opened Italian Restaurant in Toronto, Canada, has on its main floor, booths instead of open tables, and probably to simulate outdoor sidewalk tables, the booths are roofed over—with red *asbestos-cement corrugated board.*

¶ Andrew Sheret Ltd., Vancouver, B. C., used asbestos fibre most effectively in its Christmas window display, as snow. Sprinkled with mica it gave a very natural effect.

¶ Dental News (January issue) describes the use of impregnated asbestos board for "impression spacers", by J. Weinbaum Dental Products Company of Philadelphia. Such spacers are said to be more accurate than an older method.

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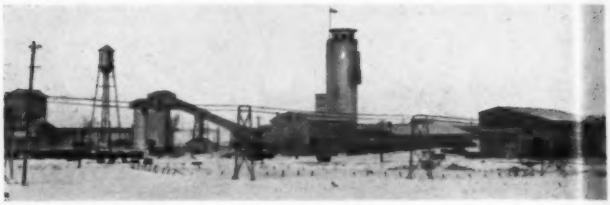
461 Market Street

# HEADFRAME FOR J-M UNDERGROUND MINE



At the present time all asbestos ore at the Jeffrey Mine of the Canadian Johns-Manville Company at Asbestos, Quebec, is coming from their open pit mine, one of the largest and perhaps the largest, asbestos mine in the world.

However, within the next five or six years, as the open pit becomes deeper, a point will be reached when it will be necessary to resort to underground mining, and large scale operations are already underway to develop the underground workings.

The photograph above is a panoramic view of the No. 1 Shaft Headframe and associated buildings.

The tall building is the Underground Headframe located over a 1,000 ft., 5-compartment shaft. Its purpose is to facilitate the handling of asbestos ore from the raising and lowering of men and materials.

The headframe is of unique design inasmuch as it is constructed of concrete with no "back legs". Concrete was utilized because of the shortage of steel. The structure is especially designed to withstand the pull of the hoisting ropes (which can be seen in the picture proceeding to the Hoist House at the far right). In the hoist house are located a 10-ft. double drum ore hoist, and a 10-ft. diameter single, drum main hoist. The ore is hoisted in skips of 10-ton capacity.

Immediately to the left of the Headframe is the Collar House, which is used for temporary storage of materials.

The entire exterior of this building is finished with Johns-Manville Corrugated Transite.

All the ore is hoisted to the surface in the skips previously mentioned, which are automatically dumped in the headframe. The ore then proceeds up a conveyor belt to the surface bins which can be seen immediately to the left of the Collar House. From there the ore will in turn be conveyed to the Mill (far left of the top picture).

*Close-up of Headframe Building with Collar House at left.*


**EUROPEAN ASBESTOS**

**SPINNING, SHINGLE *and* PAPER FIBER**

***also***

**SHORTS and 8S**

•

***New York Offices***

**ALPINE MINING CORPORATION**

**535 FIFTH AVENUE**

**NEW YORK 17, N. Y.**

# MARKET CONDITIONS

## GENERAL BUSINESS

While the powers that be in Washington are trying to decide whether or not the present trend of prices is inflation or deflation, and whether a recession, depression or just normal business is indicated during the year, generally speaking business appears to be busier than ever. The break in some commodity markets last month seems to have been only a flurry and did not create a general downward trend.

Many heavy goods industries cannot fill the demand, partially perhaps because of bottlenecks here and there, caused principally by shortage of one raw material or another. Prices, except on some few food items, remain high and are meeting with some little buyer resistance.

While large requirements of so many products are showing, there seems to be little danger of recession.

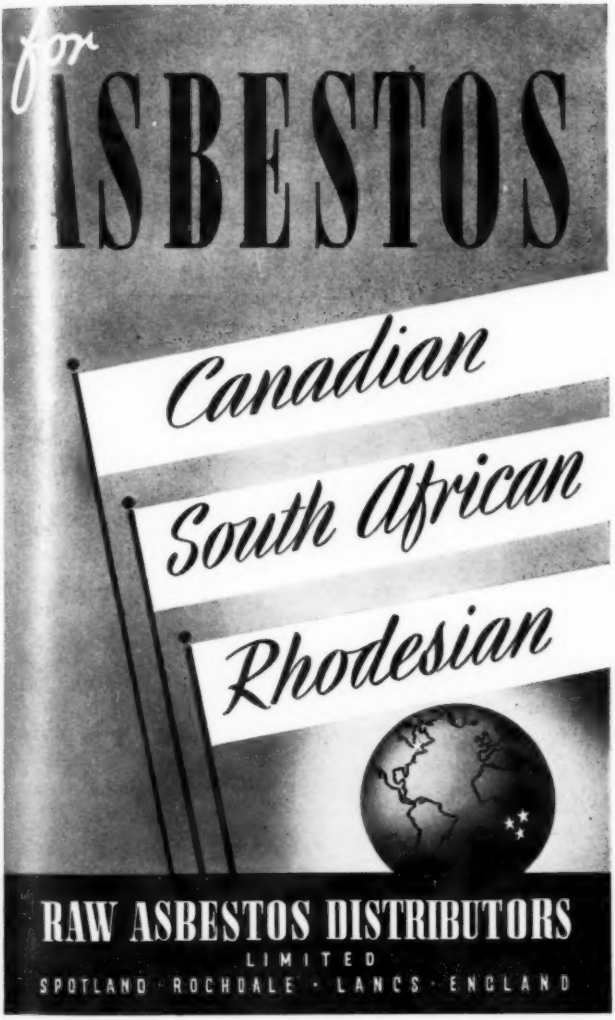
## ASBESTOS - RAW MATERIAL

Practically no let-up in demand is apparent. Production of asbestos is seasonally retarded by bad weather; lack of supply of asbestos for new users, with only normal schedules for regular (old, established) buyers, will continue.

## ASBESTOS - MANUFACTURED GOODS

*Asbestos Textiles.* The demand for asbestos textiles in general and cloth in particular, remain strong. The continuing shortage of the spinning grades of fibre somewhat hampers production and causes deliveries to be far slower than desirable.

One manufacturer tells us that ever since the price increase (about the first of the year) on yarns and cloths, a definite slackening in new business placed for those products, has been noticeable. At first this was attributed to the heavy buying in December in anticipation of price increases, but now it is believed that there is a definite slackening in the end use field. This is especially noticeable in the asbestos packing field, the safety clothing industry,


for
ASBESTOS
Canadian
South African
Rhodesian
RAW ASBESTOS DISTRIBUTORS
LIMITED
SPOTLAND · ROCHDALE · LANCS · ENGLAND

and some parts of the friction materials business.

Another textile manufacturer states that a heavy demand continues to exist for various styles of asbestos cloth, but that tape business, particularly fine tapes, is below normal at present.

*Asbestos Paper.* This commodity is still in critical demand and production is being retarded by lack of asbestos fibre suitable for its manufacture.

As to Saturated Paper, the demand exceeds production all over the country.

*Asbestos Millboard.* Lack of asbestos fibre and increasing costs are still the chief problems in the production of Asbestos Millboard, demand continuing high.

*Insulation. High Pressure.* There are from four to six weeks backlogs on High Pressure insulating materials, depending on sizes required. Blocks of all sizes and thicknesses can be supplied within about two months. Orders being booked are about equivalent to current shipments, and reports from distributors appear to indicate a heavy demand for the next four or five months.

*Insulation. Low Pressure.* Shortage of asbestos fibre and wool felt paper are the main problems of production, while demand continues active.

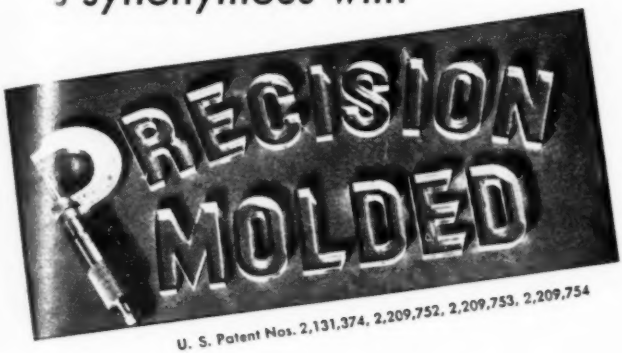
*Asbestos-Cement Products.* There has been some easing off in the demand for asbestos-cement roof and siding shingles in the North because of the severe winter weather which has prevented application of these materials in many areas. However, this has provided an opportunity for distributors and contractors alike to accumulate some stocks which will move quickly as soon as weather permits. There is no indication of any slackening in the overall demand for all asbestos-cement products and it is anticipated that the huge, unfilled backlog of new construction and repair work will keep this situation unchanged for many months to come.

Demand for Corrugated and Flat Asbestos Sheets continues active thruout the country with the requirements far greater than production.

**The above comments have been compiled from the opinions and ideas sent us by various executives close to the several markets. Opinions are always welcome.**

# LIGHT DENSITY TYPE HEAT INSULATION

*is synonymous with*




U. S. Patent Nos. 2,131,374, 2,209,752, 2,209,753, 2,209,754

**PLANT** **RUBBER & ASBESTOS WORKS**

*Manufacturers of*

**Plant "Precision Molded" 85% Magnesia**

**GENERAL OFFICES:**
SAN FRANCISCO 7

**FACTORIES:**
EMERYVILLE, SAN FRANCISCO, REDWOOD CITY • CALIFORNIA

**PLANT ENGINEERING SERVICE UNITS IN PRINCIPAL CITIES**

**Canada**

**(Department of Mines, Province of Quebec)**

*Tons — 2000 lbs.*

| | |
|---|---|
| December 1947 | 57,372 tons |
| December 1946 | 48,487 tons |

*By Grades*

| | Year 1947 | Year 1946 |
|---|---|---|
| Crude | 932 tons | 742 tons |
| Fibres | 221,829 tons | 228,234 tons |
| Shorts | 438,426 tons | 329,205 tons |
| | 661,187 tons | 558,181 tons |

**Africa (Swaziland)**

| | |
|---|---|
| Production for December 1947 | 2,465 tons (2000 lbs.) |
| Total production for Year 1947 | 28,985 tons (2000 lbs.) |

**Rhodesia**

**(Rhodesia Chamber of Mines)**

| | |
|---|---|
| Production for November 1947 | 4,560.86 tons (2000 lbs.) |
| Valued at | £145,320 |

— . . .

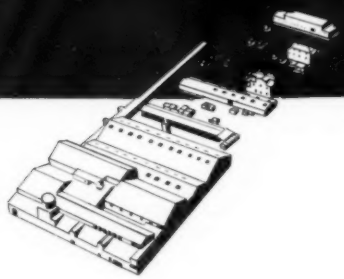
The Building Officials Foundation announces the completion of the industry-review edition of the basic building code prepared by the Building Officials Conference of America, Inc., after three years of intensive work by seventy code experts. Distribution of the code to manufacturers and to organizations concerned with building standards has been started. The arrangement of the basic code follows the recommendations of the American Standards Association, with the addition of articles covering refrigeration and prefabrication. Further information may be obtained by contacting Building Officials Foundation, Room 1503, 51 E. 42nd St., New York 17.

. . . —

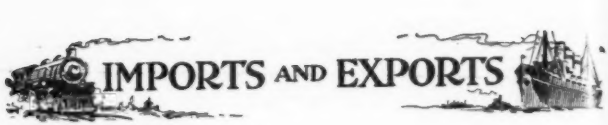
*The only perfect people are those we do not know.— De Boufflers.*

# ASBESTONE
## CORPORATION

Manufacturers
Asbestos-Cement
Building Products



FACTORY AND SALES OFFICE
5372 TCHOUPITOULAS ST., NEW ORLEANS, LA.




**Imports into U. S. A.**

**(Figures by Bureau of Census)**

*Unmanufactured Asbestos — By Countries*

| | December 1947 Tons (2240 lbs.) |
|---|---|
| From Canada | 46,826 |
| S. Rhodesia | 479 |
| Union of S. Africa | 269 |
| Italy | 4 |
| U. S. S. R. | 1,844 |
| | 49,422 |
| *Value* | *$2,950,014* |
| *By Grades* | |
| Crude No. 1 (Chrys) Rhodesia | 301 |
| Crude No. 2 | ... |
| Crude—Other (Chrys) Rhodesia | 178 |
| Crude—Other (Chrys) Italy | 2 |
| Crude—Other (Chrys) U. S. S. R. | 1,844 |
| Crude (Blue) — U. of S. Africa | 116 |
| Crude (Amosite) U. of S. Africa | 153 |
| Textile Fibres (Chrys) Canada | 1,533 |
| Textile Fibres — Italy | 2 |
| Shingle Fibres (Chrys) Canada | 6,413 |
| Paper Fibres (Chrys) Canada | 5,222 |
| Fibres (Other—Short Grades) Canada | 33,658 |
| | 49,422 |

*Manufactured Asbestos Goods*

| | December 1947 Quantity (Lbs.) | Value |
|---|---|---|
| Asbestos Yarn | | |
| United Kingdom | 10,398 | $7,612 |
| Asbestos Packing—Fabric | | |
| Canada | 1 | 1 |
| United Kingdom | 702 | 648 |
| Asbestos Packing — Not Fabric | | |
| United Kingdom | 8,274 | 5,366 |
| Asbestos Woven Fabrics—Other | | |
| United Kingdom | 1,657 | 1,280 |

*(Continued on page 34)*

# ASBESTOS FIBRES, INC.

Announces a New Asbestos Plant for the Processing of all Types and Grades of Fibres.

New, Modern and Revolutionary Equipment, specializing in Dust-free, Shingle Grades of Asbestos Fibre.

*Your inquiries are invited.*
*Immediate delivery.*

●

***Preparation Plant:***
**33 AVENUE P, NEWARK, N. J.**

***Main Office:***
**56 CRITTENDEN ST., NEWARK, N. J.**

**Imports into U. S. A. (Contd.)**

*Manufactured Asbestos Goods*

| | December 1947 Tons (2240 lbs.) | |
|---|---|---|
| Asbestos-Cement (Not Impregnated) | | |
| Canada | 12,784 | 470 |
| Asbestos-Cement (Impregnated) | | |
| Canada | 64 | 2 |
| Asbestos Brake Lining (Molded) | | |
| Canada | 479 | 84 |
| Asbestos Manufactures—Other | | |
| Canada | .... | 36 |
| | 34,359 | $15,499 |

**Exports from U. S. A.**

**(Figures by Bureau of Census)**

*Unmanufactured Asbestos*

| | December 1947 Tons (2240 lbs.) | Value |
|---|---|---|
| To Venezuela | 98 | $12,500 |
| Mexico | 18 | 1,000 |
| Cuba | 20 | 700 |
| Hungary | 1 | 799 |
| Italy | 23 | 4,418 |
| Portugal | 18 | 8,867 |
| Other Countries | 6 | 1,130 |
| | 184 | $29,414 |

*Manufactured Asbestos Goods:*

| | Quantity | Value |
|---|---|---|
| Asbestos Paper, Mlbd. & Rlbd. | Lbs. 70,923 | $ 8,312 |
| Asbestos Pipe Covg. & Cement | Lbs. 484,536 | 55,440 |
| Asbestos Textiles & Yarn | Lbs. 49,216 | 24,564 |
| Asbestos Packing | Lbs. 366,554 | 214,329 |
| Asbestos Brake Lng. (Mld.&S. Mld.) | Lbs. 218,450 | 221,513 |
| Asbestos Brake Lng. (Woven) | L. Ft. 85,215 | 52,806 |
| Asbestos Clutch Fcgs. (Mld.&S. Mld.) | No. 64,470 | 37,022 |
| Asbestos Clutch Fcgs. (Woven) | No. 39,651 | 21,942 |
| Asbestos Brake Blocks (Mld.&S. Mld.) | Lbs. 28,603 | 22,099 |
| Asbestos Brake Blocks (Woven) | Lbs. 4,180 | 3,933 |
| Asbestos Sheets | Lbs. 832,946 | 51,843 |
| Asbestos Roofing | Sqs. 11,466 | 85,599 |
| Other Asbestos Manufactures | Lbs. ..... | 122,466 |
| | | $921,868 |

## CONSTRUCTION CONTRACTS SET NEW JANUARY HIGH MARK

The dollar volume of construction contracts awarded in January in the thirty-seven states east of the Rocky Mountains set a new high mark for a January in the F. W. Dodge Corporation statistical series dating from 1925. January's awards totaled $615,206,000, and represented a gain of 8% over January of last year when the previous dollar-volume high for the month was reported. The January total, however, was 2% less than the total for December.

Residential contracts in January totaled $238,098,000, showing an 8% decline from January 1947 and a 5% gain over December 1947.

## AUTOMOBILE SALES

| | January 1948 |
|---|---|
| Passenger Cars | 305,058 |
| Motor Trucks | 95,231 |
| Motor Coaches | 1,355 |
| | 401,644 |

Decemer 1947 total sales were 469,957, while sales in January 1947 totalled 347,696

These figures cover only cars made in the United States.

(Figures supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Mich.)

*Fine Asbestos Tapes and Sleevings*
*Light Weight Asbestos Cloth*
ATLAS ASBESTOS COMPANY
North Wales • Pennsylvania

# NEWS OF THE INDUSTRY

## BIRTHDAYS

E. W. Smith, Vice President and Director of Sales, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, March 17.

John H. Balch, Director, Union Asbestos & Rubber Co., Chicago, Ill., March 22.

Paul G. Charbonnet, Vice President, Asbestone Corporation, New Orleans, La., March 23.

A. R. Fisher, Vice President, Johns-Manville Corp., New York City, March 27.

J. A. O'Brien, Vice President, Johns-Manville Sales Corp., New York City, March 28.

F. V. S. Smith, Director & Secretary, Hodgson & Hodgson, Ltd., Carrington, Nottingham, England, March 29.

W. C. Bowman, District Manager, Philip Carey Mfg. Co., Philadelphia, Pa., March 30.

George E. Grimshaw, Staff Manager on Industrial Insulation, Johns-Manville Corp., New York City, March 31.

G. M. Williams, President, Russell Manufacturing Co., Middletown, Conn., April 6.

J. M. Weaver, Textile Research and Development Engineer, Raybestos-Manhattan, Inc., Manheim, Pa., April 14.

Philip A. Meyer, Treasurer, Sall Mountain Co., New York City, April 16.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

## HOUSTON ASBESTOS COMPANY MAKE WHITE ASBESTOS SHINGLES

Employing a secret, patented process, the recently organized Houston Asbestos Company, located on the outskirts of Houston, Texas, is making a snow white asbestos shingle, which is marketed under the trade name "Premium White". Its office address is 1544 City National Bank Building, Houston.

The shingle is made with white Arizona asbestos fibre, combined with white Trinity Portland Cement manufactured at Houston, and white marble from Alabama.

We are told that the plant, which started operations last August and reached capacity production of 10,000 squares per month in December, uses about six cars of raw material a week and ships about six cars of the finished product. Sixty persons are employed in the plant which operates six days a week.

Owners are Frank W. Sharp, home builder, George Brown, contractor, and A. H. Smith, automobile dealer, all of Houston.

The firm's products are distributed in the great trade territory west of the Mississippi River.

## BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

**MILLBOARD** **YARNS**
**ROVINGS** **POWDER** **CLOTHS**
**PROCESSED FIBRES**
**Unexcelled for use in**
**ASBESTOS CEMENT PIPES**

## AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

***Asbestos mattress filler***
***85% Magnesia Insulation***

## The CAPE ASBESTOS CO. Limited

**Morley House, 28-30 Holborn Viaduct, London, E.C.1.**
**FACTORY, BARKING, ESSEX**

***United States Sales Agent:***

**ARNOLD W. KOEHLER**

**415 LEXINGTON AVE.** **NEW YORK CITY**

**TELEPHONE—VANDERBILT 6-1477**

**J. GILLMUR TYSON, SR. PASSES AWAY**

J. Gillmur Tyson, Sr., for many years President and Owner of the American Asbestos Company of Norristown, Pa., manufacturers of Asbestos Textiles and Packings, passed away on Monday, February 9th. He had been ill for some time.

Mr. Tyson began his business career in the Asbestos Industry with the Keasbey & Mattison Company. In July 1901, in company with W. F. Jacoby and I. C. Weber, he founded the American Asbestos Company, and became General Manager of the firm. Within a few years, Mr. Jacoby and Mr. Weber withdrew from the firm and Mr. Tyson became President.

Not many years ago he retired from active management of the firm and in 1942 sold his stock to Edmund R. Teubner and Robert G. Dreslin, and the Company subsequently became a unit of the Philadelphia Asbestos Company. His son, J. Gillmur Tyson, Jr., also retired from the Company and later organized the Consolidated Asbestos Corporation.

Many of our readers, especially those connected with the Asbestos Textile Industry will remember Mr. Tyson, Sr., and will learn with regret of his death. Mr. Tyson was a member of the Masonic Fraternity and a Knight Templar.

**MANHATTAN RUBBER AGAIN WINS NATIONAL GARDEN AWARD**

For the second consecutive year, Manhattan Rubber Division of Raybestos-Manhattan, Inc., at Passaic, N. J., has received a certificate from the National Garden Institute for "a genuine contribution to the National Garden Program and of service rendered the Nation."

Previously the company had won the Victory Garden Award three times.

**PABCO**

Irvin Hovgaard, formerly Emeryville plant manager, has been named manufacturing manager of the Eastern Division of Paraffine Companies, Inc. J. B. Lee, former Manufacturing Division Auditor, succeeds Mr. Hovgaard as manager of the Emeryville plant.

**ROCKBESTOS**

Rockbestos announces their new Pacific Coast headquarters, with increased warehousing facilities, is located at Oakland Municipal Airport, Oakland, Calif. Telephone Sweetwood 8-2955.

Southern California will be serviced as previously by their Los Angeles district office at 6919 San Fernando Rd., Glendale, Calif., Telephone Stanley 7-1141.

The Chicago Office and new warehouse as of March 1st, is located at 1500 S. Western Ave., Chicago 8, Ill., Telephone Haymarket 6152.

# PHILLIPS ASBESTOS MINES

**Producers of**

## CRUDES

**and**

## Fiberized Asbestos

**The World's Finest Fibre**

**DRAWER 71** **GLOBE, ARIZONA**

***Mines and Mills in Gila Co., Arizona***

## ANNUAL REPORT
## ASBESTOS CORPORATION LIMITED

The annual report for the year ending December 31, 1947 shows a net profit, after charging all expenses, including taxes, but before depreciation, of $1,693,353. The sum of $368,698 was set aside for depreciation, leaving a balance of $1,324,655, compared with $1,028,181 in 1946. Profit and loss statement follows:

| | | Year 1947 |
|---|---|---|
| Profit from Operations | | $2,254,462.04 |
| Interest on investments | | 73,804.24 |
| Miscellaneous Revenue | | 48,989.70 |
| | | $2,377,255.98 |
| Less Executive Salaries | $ 55,299.88 | |
| Legal Fees | 3,960.87 | |
| Directors' Fees | 8,300.00 | |
| Exploration and prospecting exp. | 125,241.90 | |
| Provision for depreciation | 368,698.45 | |
| Contr. to Pension Trust Fund | 75,000.00 | 636,501.10 |
| | | $1,740,754.88 |
| Provision for Dominion and Provincial Taxes | | 491,100.00 |
| | | $1,249,654.88 |
| Appropriation for extensions and improvements | | 250,000.00 |
| | | $ 999,654.88 |
| Earned surplus, December 31, 1946 | $1,309,480.50 | |
| Recovery on foreign accounts receivable previously written off less taxes thereon | 20,858.23 | 1,330,338.73 |
| | | $2,329,993.61 |
| Dividends (Regular and Extra) | | 960,000.00 |
| | | $1,369,993.61 |

## JACK D. BOYD JOINS ASBESTOS FIBRES, INC.

Jack D. Boyd, familiarly known as "Scotty", a pioneer in the asbestos processing industry, is now associated with the newly formed Asbestos Fibres, Inc., Newark, N. J., as Vice President and General Superintendent of their processing plant. The special air-borne system used in this plant is altogether new in the processing of asbestos fibre.

## ARMSTRONG'S INSULATOR

The February issue of Armstrong's Insulator contains several articles which should interest the readers of "ASBESTOS", "Controlled Atmospheres for the Heat Treating of Metals" and "Hot Flanges" for instance. We feel certain The Armstrong Cork Co. of Lancaster, Pa., would be glad to send a copy to anyone sufficiently interested to request it on their business letterhead.

**NE SICA Elects New Officers**

The Northeastern Roofing, Siding and Insulating Contractors Association, has elected the following officers for 1948: L. R. Verchereau of Schenectady, N. Y., President; N. C. Freed of Rochester, N. Y., J. E. Marshall of Baltimore, Md., W. N. Ormsby of South Boston, Mass., and George J. Romano of Greenwich, Conn., all Vice Presidents; D. C. Lingenfelter of Roselle Park, N. J., Treasurer; C. N. Nichols (re-elected) of New York, Managing Director.

*L. R. Verchereau, President*

**M. . M. A. CONTEST — Winner**

Contest announced last September by the Magnesia Insulation Manufacturers Association, which offered a $100 bond as first prize to person advising of the oldest installation of 85% Magnesia, has been concluded and the winner announced. Mr. Nelson H. Randall, Editor of the Toledo Edison Company's house organ, Edison News, advised of a forty-six year old 85% Magnesia installation on the Water Street Station of his company in Toledo, Ohio. The material was installed in 1902 and is still in service.

**PABCO DECLARES DIVIDEND**

The Paraffine Companies, Inc., has declared regular quarterly dividends of $1.00 per share on the 4% Cumulative Convertible Preferred Stock, payable April 15, to stockholders of record, April 1; and a dividend of 30c per share on the common Stock payable March 27 to stockholders of record March 8.

**J-M'S NEW FILM**

Johns-Manville Corporation is showing at its various plants and district offices its new technicolor film "Quality Control by Statistical Methods". Later it will be loaned to industrial firms and colleges.

**AMERICAN BRAKE SHOE CO.**

Sales of American Brake Shoe Co. in 1947 totalled $107,632,965 and were the highest in the company's history.

Seven divisions of the company, accounting for 81% of the 1947 sales, are selling on the same firm price policy that was followed before the war. The remaining 19% of sales are being made on a "price-at-time-of-shipment" basis and includes forgings, automotive brake lining and some freight car wheels.

**GEORGE E. GRIMSHAW**
**RETIRED FROM J-M**

George E. Grimshaw, Manager Industrial Insulation Department, Johns-Manville, will retire from the company on April 1, to establish himself as consultant on industrial insulation, for the oil, steel and chemical industries.

Mr. Grimshaw, in his 32-year association with Johns-Manville, has spent eight years in both Pittsburgh and Cleveland and for the past sixteen years has made his headquarters in the company's New York office.

Mr. Grimshaw's consultant headquarters will be located in New York City.

**INSULATORS SUPPLY COMPANY**
**OPEN FOR BUSINESS**

Insulators Supply Company has opened for business at 2839 Stanton Avenue, Cincinnati, Ohio. The new firm wholesales and distributes insulating materials to building material dealers, lumber dealers and insulation companies. A complete line of insulation and insulators equipment is carried in stock for dealers only.

William J. Reardon is President; James Botuchis, Treasurer; Jacob W. Schweizer, Secretary.

**ARMSTRONG CORK**
**New Boston Address**

Armstrong Cork Company announces the new location of its Boston sales offices at 131 Clarendon Street, Boston, 16, Mass. Telephone No. is COpley 7-2490.

## PATENTS

**This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.**

**Copies of patents can be obtained by sending 25c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date it was issued, name of patentee and name of invention.**

**Cement Compositions.** No. 2,433,450. Granted on December 30, 1947 to Richard H. Grant, San Francisco, Calif. Assignor to Permanent Cement Co., Oakland, Calif. Application January 24, 1945. Serial No. 574,440.

A plastic cement composition for use on paper covered lath comprising a dried, finely divided mixture of the following: Portland Cement, 90 parts; calcium chloride, 1 part; asbestos, 6 parts; hydrated lime, 3 parts; alkaline earth metal soap, less than 0.1 part.

**Spray Gun and Method of Spraying.** No. 2,433,463. Granted on December 30, 1947 to Arthur J. Lampe, Chicago, Ill., Assignor

**INDUSTRIAL SERVICE COMPANY**

**Builders of**

**ASBESTOS CEMENT MACHINERY**

**Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.**

**Your Inquiries Are Invited**

**1-51 Paterson Avenue** **E. Rutherford, N. J.**

**ASBESTON***

Light-weight · High-strength · Low-gauge
Asbestos Fabrics — Asbestos Tape

***Textile Division***

**UNITED STATES RUBBER COMPANY**

1230 AVENUE OF THE AMERICAS, NEW YORK 20, N. Y.

*Reg. U. S. Pat. Off.

**TEST**

. . . the added sales volume awaiting you among the nation's roofing and siding contractors. Write to . . .

**AMERICAN ROOFER and SIDING CONTRACTOR**
425 Fourth Avenue, New York City

to Sprayo-Flake Co., Chicago, Ill. Application October 5, 1944. Serial No. 557,278.

In the art of spraying a divided material and an adhesive whereby the material is rendered adherent for application to selected surfaces, the improvement comprising projecting a spray of said material and a plurality of conelike sprays of said adhesive, said adhesive sprays being differently pitched relative to the chosen path of said material on different points.

**Brake Lining Presser.** No. 2,433,760. Granted on December 30, 1947 to Edwin H. Janes, Detroit, Mich. Assignor to Asbestos Manufacturing Co., Huntington, Ind. Application December 5, 1945. Serial No. 633,022.

A clamping mechanism for clamping a brake shoe lining on a brake shoe comprising a pair of resilient plates adapted for overlying and engaging the true surface of the brake shoe lining and pressing the same against the outer surface of the brake shoe; means on each of said plates for engaging the inner surface of the brake shoe at the end and clamping the end of the lining against the brake shoe at the end; and means for moving said plates toward each other at their opposite ends and into clamping relation against the outer surface of the brake shoe lining thruout substantially its entire area.

**Insulation Block.** No. 2,433,847. Granted on January 6, 1948, to Arthur L. Jennings and Henry C. Brown, Jr., Lancaster, Pa., assignors to Armstrong Cork Company. Application August 9, 1941. Serial No. 406,098.

An insulation block composed of matted and entangled inorganic fibres presenting a porous and irregular exterior surface, said block having a normal heat insulating value and a sealing coating adhering to said block closing the openings and extending over the irregularities in the surface without material penetration thereof into the interior of the block so as not to alter substantially its normal heat insulating value, said coating comprising the dried residue of an aqueous dispersion including bituminous material and argillaceous material, the bituminous material being present in said coating in an amount substantially greater than the amount of argillaceous material.

**Texturing Device for Finishing Surfaces of Sprayed Fibrous Material.** No. 2,434,462. Granted on January 13, 1948, to James L. Kempthorne, Montclair, N. J. Application August 31, 1945. Serial No. 613,793. Description upon request.

**Manufacture of Ducts.** No. 2,434,465. Granted on January 13, 1948, to Henri M. Marc, Cincinnati, Ohio. Assignor to The Philip Carey Mfg. Co., Application May 20, 1944. Serial No. 536,475.

In the manufacture of a heat and moisture resistant duct for the transmission of gases and vapors therethru, the step comprising integrally uniting a plurality of layers of bibulous

fibrous sheet material composed predominantly of non-combustible fibres to provide a wall structure comprised in said duct by applying between said layers of fibrous sheet material a spreadable, aqueous adhesive composition having a viscosity of from 300 to 1000 centipoises 77° F. Further description upon request.

**Composite Board.** No. 2,434,466. Granted on January 13, 1948 to Henri M. Marc, Cincinnati, Ohio. Assignor to Phillip Carey Mfg. Co. Application May 23, 1944. Serial No. 536,860.

In a fabricated composite board-like product, comprising a plurality of layers of sheet material at least one of which consists of fibrous sheet material, a hardened and insolubilized cementitious bonding material which integrally unites said layers of sheet material including said layer of fibrous sheet material, in the form of a rigid, board-like body and which is composed predominantly of a mixture of alkali-silicate and calcareous hydraulic cement, the ratio (dry weight) of alkali-silicate to hydraulic cement being between about 4 to 3 and about 1 to 15, said alkali-silicate being a mixture of sodium silicate and potassium silicate and from 10% to 75% by dry weight of said alkali-silicate consisting of potassium silicate.

**Oil Seal.** No. 2,434,484. Granted on January 13, 1948 to Albert M. Chambers, Jr., Pittsford, N. Y. Assignor to Garlock Packing Co., Palmyra, N. Y. Application February 19, 1945. Serial No. 577,113. Further description on request.

**Machine for Producing Asbestos-Cement Pipes.** No. 2,434,690. Granted on January 20, 1948 to John Ferla, East Orange, N. J. Assignor one quarter to Paul X. Blaettler, Oaklyn, N. J., and three quarters to U. S. Asbestos Cement Pipe Co., Camden, N. J. Original application October 19, 1939. Serial No. 300,275. Divided and this application March 7, 1944. Serial No. 525,448.

In apparatus for forming a pipe the combination of an elongated compression chamber having an inlet at one end thereof adapted to receive a fibrous cementitious composition therethru, said chamber having a cylindrical portion of smaller diameter than the chamber and connected at one end by a tapered portion therewith said cylindrical portion having a discharge opening at the opposite end thereof for extrusion of the composition therefrom and a screw mounted in the chamber for working the composition therethru to the discharge end thereof, said screw having a thread portion of smaller pitch in said cylindrical portion than the thread portion thereof in the compression chamber.

**Asbestos-Cement Products.** No. 2,435,646. Granted on February 10, 1948 to John Arthur Cann, Bickley, England. Assignor to Turner & Newall, Ltd., Spotland, Rochdale, England. Application May 3, 1941. Serial No. 394,905. In Great Britain May 27, 1940.

In apparatus for forming a laminated fibre-cement product, the combination with means for flowing a creamy mixture of wetted fibre-cement in flowing, stream form onto and along an inclined pan, means associated with said pan reducing the flowing stream to a uniform thin film flowing over the lower edge of said pan, an endless travelling belt receiving said uniform thin film directly from said pan, a suction device for drawing water from said film on said belt, and a rotary cylinder device picking said film from said belt and accumulating it in a series of laminations to desired thickness.

**Apparatus for Measuring Turbidity Photoelectrically.** No. 2,436,262. Granted on February 17, 1948 to Morrow C. Miller, Martinsville, N. J. Assignor to Johns-Manville Corporation. Application April 29, 1944. Serial No. 533,303. Description upon request.

## BOOK LIST

**Asbestos Mining Methods.** By C. V. Smith. (Reprint) 16 pages. 25c per copy, discount in quantities of 50 or more.

**Milling Asbestos.** By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy, discount in quantities of 50 or more.

**Recovery of Raw Asbestos.** By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy, discount in quantities of 50 or more.

**The Asbestos Factbook,** 16 pages. Information in compact form on origin, facts, locations, uses, analyses, qualities, 10c per copy.

**Canadian Chrysotile Asbestos Classification.** Including latest Quebec Testing Method. 30c.

**Twelve Estimating Tables,** with Chart. Convenient in figuring flange fittings and other areas. $1.00 per set.

**Manual of Unit Prices** (for figuring pipe covering and blocks) 35c per copy postpaid.

**Processing Asbestos Fibres.** 8 pages. (Reprint) 25c per copy

**Tests for Cotton Content.** 4 pages (Reprint) Describing several methods of testing asbestos textiles for cotton content. 10c per copy.

**Chart—Dollars Cost of Uninsulated Pipe.** (Reprint) 25c each

**Asbestos: A Magic Mineral,** by Lilian Holmes Strack. Written for school children but should be in every Asbestos library. $1.00 per copy.

**Asbestos—The Silk of the Mineral Kingdom,** by Oliver Bowles. 40 pages about asbestos, from mine to finished product, in plain language, illustrated, 25c a copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia 30, Pa. Postage stamps acceptable for amounts less than $1.00.

# AFTERTHOUGHTS

¶ The tons used in tabulation of Cyprus Production (see page 30 of February 1948 "ASBESTOS") were short (2000 lbs.) tons.

¶ Stock Quotations will include Paraffine Companies, Inc beginning with our April number.

¶ Even headframes have acquired the "new look" judging by the photograph on page 25. Compare with the sketch at the top of Production Statistics (page 30).

¶ Is there any Asbestos subject you'd like to discuss in our pages? Send us an editorial (article) about it.

¶ We are always looking for photographs of good Asbestos subjects. Or of new buildings at asbestos plants. When you have photographs taken, please remember "ASBESTOS".

¶ If your company issues News Releases be sure we are on your list. We may not be able to use all of them, but if we receive them all we won't miss the important ones.

¶ When J. L. Beven was President of Illinois Central Railroad, he said: "Let us remember that anyone who will visit us, anyone who will call us on the telephone, anyone who will seek our aid, offers to us the privilege of creating good will for our company. Let us not throw away that privilege."

. . . —

*He who has truth at his heart need never fear the want of persuasion on his tongue—John Ruskin.*

. . . —

*Some people do odd things to get even.*

# CURRENT RANGE OF PRICE

As of March 10, 1948

| **Canadian—** | **Per Ton (2000 lbs.) f.o.b. Mine** |
|---|---|
| Group No. 1 (Crude No. 1) | $896.00 to $960.00 |
| Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry | 350.00 to 540.00 |
| Group No. 3 (Spinning or Textile Fibre) | 204.50 to 378.00 |
| Group No. 4 (Shingle Fibre) | 84.50 to 128.00 |
| Group No. 5 (Paper Fibre) | 69.50 to 78.00 |
| Group No. 6 (Waste, Stucco or Plaster) | 47.00 to 51.50 |
| Group No. 7 (Refuse or Shorts) | 24.50 to 46.00 |
| **Vermont—** | |
| Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt. | |
| Group No. 4 (Shingle Fibre) | $97.00 to $107.00 |
| Group No. 5 (Paper Fibre) | 68.50 to 85.00 |
| Group No 6 (Waste, Stucco or Plaster) | 51.00 |
| Group No. 7 (Refuse or Shorts) | 25.50 to 46.50 |

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

# ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness).

| | | February 1948 | | |
|---|---|---|---|---|
| | Par | Low | High | Last |
| Armstrong Cork Co. (Com.) | np | 41¾ | 47⅛ | 47⅛ |
| Armstrong Cork Co. (Pfd.) | np | 88½ | 91 | 90½ |
| Asbestos Corp. (Com.) | np | 25 | 26 | 25¼ |
| Asbestos Mfg. Co. (Com.) | 1 | 1⅝ | 1⅞ | 1⅝ |
| Celotex (Com.) | np | 22¾ | 25⅝ | 23⅞ |
| Celotex (Pfd.) | 20 | 18½ | 20 | 19 |
| Certainteed (Com.) | 1 | 13⅛ | 16 | 13¾ |
| Flintkote (Com.) | np | 31⅛ | 34⅛ | 33⅜ |
| Flintkote (Pfd.) | np | 97 | 100½ | 100 |
| Johns-Manville (Com.) | np | 35 | 37¾ | 36⅛ |
| Johns-Manville (Pfd.) | 100 | 100 | 105½ | 102½ |
| Raybestos-Manhattan (Com.) | np | 29 | 31 | 29 |
| Ruberoid (Com.) | np | 54 | 61 | 57 |
| Thermoid (Com.) | 1 | 8⅝ | 9½ | 9 |
| Thermoid (Pfd.) | 50 | 42 | 46 | 43¾ |
| Union Asb. & Rubber (Com.) | 5 | 10 | 11 | 10½ |
| U. S. Gypsum (Com.) | 20 | 92 | 98 | 97½ |
| U. S. Gypsum (Pfd.) | 100 | 170 | 175 | 175 |
| U. S. Rubber (Com.) | 10 | 38½ | 43 | 39¾ |
| U. S. Rubber (Pfd.) | 100 | 130 | 137 | 132 |

**85% MAGNESIA . . . pipe coverings, blocks and cement. For temperatures up to 600° F.**

**EHRET'S ENDURO . . . Used with 85% Magnesia for temperatures from 600° to 2000° F. Pipe coverings, blocks and cement.**

**DURANT INSULATED PIPE . . . Pre-sealed, factory-fabricated units for underground pipe lines.**

**VALLEY FORGE PACKINGS . . . A complete line of quality packings for practically every purpose.**

***Write for details of the complete Ehret line. It includes practically every type of heat and cold insulation, and asbestos products.***

**EHRET MAGNESIA MANUFACTURING COMPANY**

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SOUTHERN ASBESTO

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Southern Listing Tapes are flame proof. Flexible, uniform weave, w and thickness assures superior service and insulation. High tensile stre insures efficient application.

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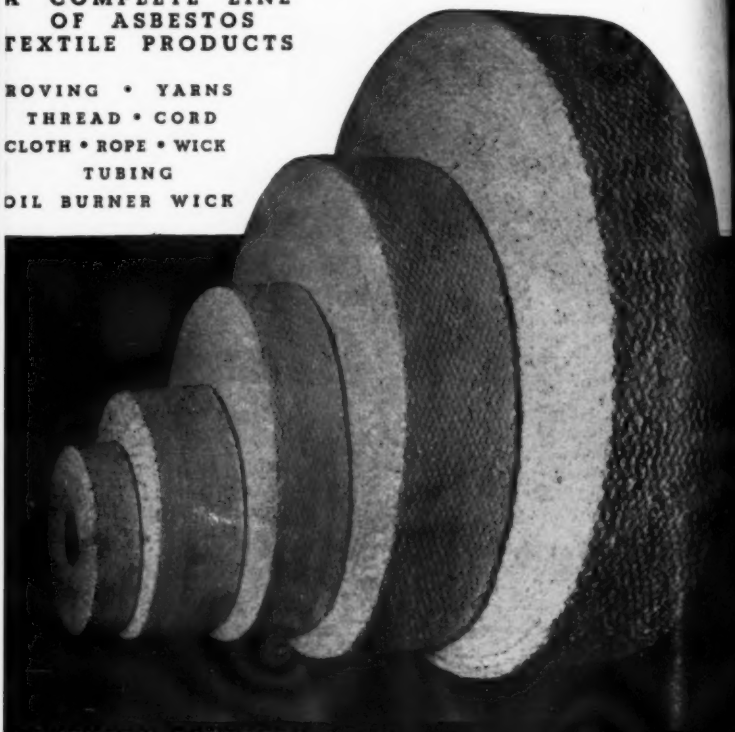

SOUTHERN ASBESTOS